

LINCOLN ELECTRIC CO -- JETWELD 3, ALL SIZES (COVERED ELECTRODE)

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MSDS Safety Information

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FSC: 3439

NIIN: 00-267-7354

MSDS Date: 03/13/1995

MSDS Num: CDGNR

Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)

MFN: 04

Responsible Party

Cage: 36232

Name: LINCOLN ELECTRIC CO

Address: 22801 ST CLAIR AVE

City: EU

CLID (FORMALLY IN CLEVELAND) OH 44117-1199

Info Phone Number: 216-481-8100

Emergency Phone Number: 216-481-8100

Review Ind: Y

Published: Y

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Preparer Co. when other than Responsible Party Co.

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Cage: 36232

Name: THE LINCOLN ELECTRIC CO

Address: 22801 ST CLAIR AVE

City: EUCLID OH 44117-1199

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Contractor Summary

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Cage: 36232

Name: THE LINCOLN ELECTRIC CO

Address: 22801 ST CLAIR AVE

City: EUCLID OH 44117-1199

Phone: 216-481-8100

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Item Description Information

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Item Name: ELECTRODE,WELDING

Specification Number: AWSA5.1-81

Type/Grade/Class: AWS E7024

Type of Container: UNKNOWN

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Ingredients

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Cas: 7439-89-6
RTECS #: NO4565500
Name: IRON
% Wt: 30
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 13463-67-7
RTECS #: XR2275000
Name: TITANIUM DIOXIDE (AS TI)
% Wt: 10
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 1344-09-8
Name: SILICATES AND OTHER BINDERS
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7439-96-5
RTECS #: OO9275000
Name: MANGANESE (SARA 313) & OR MANGANESE ALLOYS & COMPOUNDS (AS MN)
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: C, 5 MG/M3 (FUME)
ACGIH TLV: 0.2 MG/M3; 9596

Cas: 1332-58-7
RTECS #: GF1670500
Name: KAOLIN; MINERAL SILICATES
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 2 MG/M3 TDUST; 9596

Cas: 14808-60-7
RTECS #: VV7330000
Name: SILICA, CRYSTALLINE - QUARTZ
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: SEE TABLE Z-3
ACGIH TLV: 0.1 MG/M3 RDUST;9596

Cas: 65996-61-4
Name: CELLULOSE AND OTHER CARBONYDRATES
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 1344-28-1
RTECS #: BD1200000
Name: ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313)
; ALUMINUM OXIDE & OR
BAUXITE
% Wt: 1
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7440-21-3
RTECS #: VW0400000
Name: SILICON & OR SILICON ALLOYS & COMPOUNDS (AS SI)
% Wt: 0.5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7439-89-6
RTECS #: NO4565500
Name: CARBON STEEL CORE WIRE
% Wt: 45
Other REC Limits: NONE RECOMMEND
ED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
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Health Hazards Data

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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: YES
IARC: YES
OSHA: NO
Effects of Exposure: ELECTRIC ARC WELDING MAY CREATE 1 OR MORE OF
FOLLOWING:FUMES/GASES CAN BE DANGEROUS TO HEALTH.ACUTE:WELD FUMES EXPO MAY
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ESULT IN DISCOMFT-METAL FUME FEVER,DIZZ,NMAU,DRY/IRRIT OF
NOSE/THROAT/EYE.CHRON IC:SIDEROSIS,AFFECT PULM FUNCTION.MN EXPO AFFECT
CNS-IMPAIR SPEECH/MOVEMENT.BRONCHITIS,LUNG FIBROSIS.ARC RAYS (SUPPLEME)
Explanation Of Carcinogenicity: PER MSDS:CRYSTALLINE SILICA (QUARTZ) ON
IARC/NTP AS POSING CARCINOGENIC RISK TO HUMANS.
Signs And Symptions Of Overexposure: SEE HEALTH HAZARDS.
Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid: CALL FOR MEDICAL AID.EMPLOY 1STAID T
ECHNIQUES RECOMMENDED BY
AMERICAN RED CROSS.IF BREATHING DIFFICULT GIVE OXY.NOT BREATHING EMPLOY CPR
TECHNIQUES.IN CASE OF ELECTRICAL SHOCK TURN OFF POWER & FOLLOW
RECOMMENDED TREATMENT.IN ALL CASES CALLPHYSICIAN.

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Handling and Disposal

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Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Methods: DISCARD ANY PRODUCT/RESIDUE/DISPOSABLE CNTNR/LINER AS
ORD
INARY WASTE N ENVIRONMENTALLY ACCEPTABLE MANNER UNLESS OTHERWISE NOTRED.
CONTAINS CHEM(S) SUBJ TO REPORTING REQMTS OF SEC 311,312,313 OF EPCRA
/40CFR370/372.
Handling And Storage Precautions: READ/UNDERSTAND INSTRUCT/PRECAUT
LABEL.INSULATE FROM WORK/GROUND.
Other Precautions: USE:SEMIAUTOMATIC DC WELD,DC MANUAL(STICK)WELD,AC WELD W/RED
VOTAGE CNTRL.DETERMINE COMPO/QUAN OF FUME/GAS WORKER EXPO:TAKE AIR SMPL
INSIDE HELMET/BREATH ZONE.SEE ANSI/AWS F1.1;F1.2;F1.4;F1.5 FROM AME R WELD
SO
C,550NW LEJEUNE RD,MI,FL33216.

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Fire and Explosion Hazard Information

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Flash Point Text: NON-FLAMMABLE
Extinguishing Media: NONE SPECIFIED BY MANUFACTURER. :USE APPROPRIATE FIRE
EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATLS.
Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard: WELDING ARC/SPARKS CAN IGNITE COMBUSTIBLES &
FLAMMABLE PRODUCTS.

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Control Measures

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Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACE/GENERAL WORK AREA WHEN LCO
EXHAU/VENTI DOES NOT KEEP EXPO BELOW TLV.
Ventilation: USE ENOUGH VENTI/LOC EXHA @ARC/BOTH TO KEEP FUME/GAS FROM WORKER
BREATH ZONE/GEN AREA.TRAIN WELDER KEEP HEAD OUT OF FUME
Protective Gloves: WELDER GLOVES.
Eye Protection:

HELMET,FSHIELD W/FILTER LENSES #14/DARKR

Other Protective Equipment: SHIELD OTHERS BY PROVIDING SCREENS/FLASH
GOGG.HAND/HEAD/BODY PROT FROM RADIATION/SPARKS/ELECTR SHOCK.

Work Hygienic Practices: TRAIN WELDER NOT TO PERMIT ELECTRICALLY LIVE
PARTS/ELECTRODE TO CONTACT SKIN/CLOTH/GLOVE WHEN WET.

Supplemental Safety and Health: HAZ DECOMPO PROD:AREA VOL/QUALITY/AMT OF
VENTI/WELDER HEAD POSITION/ATM CONTAMIN. REASONABLY EXPECT:FE OXIDE,2ND
COMPLEX OXIDES OF MN/K/SI/NA/TI,CO2,CO,OZONE,N OXID

ES.HEALTH:INJURE EYE,BURN
SKIN.ELECT RIC SHOCK CAN KILL.

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Physical/Chemical Properties

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HCC: N1

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition

Products: WELD FUME/GAS CAN'T BE CLASSIFIED
SIMPLY.DEPEND ONMETAL WELD/PROCESS/PROCEDURE/ELECTRODES/COATING/#OF
WELDER/WORK(SUPPL)

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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possible Party Cage: 36232
Trans ID NO: 64116
Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)
MSDS Prepared Date: 03/13/1995
Review Date: 03/12/1997
MFN: 4
Net Unit Weight: UNKNOWN
Multiple KIT Number: 0
Review IND: Y
Type Of Container: UNKNOWN

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Detail DOT Information

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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information

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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Info
rmation

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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)
Cage: 36232
Company Name: THE LINCOLN ELECTRIC CO
Street: 22801 ST CLAIR AVE
City: EUCLID OH
Zipcode: 44117-1199
Health Emergency Phone: 216-481-8100
Label Required IN

D: Y
Date Of Label Review: 03/12/1997
Status Code: C
Label Date: 03/12/1997
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: ELECTRIC ARC WELDING MAY CREATE 1 OR MORE OF
FOLLOWING:FUMES/GASES CAN BE DANGEROUS TO HEALTH.ACUTE:WELD FUMES EXPO MAY
RESULT IN DISCOMFT-METAL FUME FEVER,DIZZ,NAU,
DRY/IRRIT OF
NOSE/THROAT/EYE.CHRONI C:SIDEROSIS,AFFECT PULM FUNCTION.MN EXPO AFFECT
CNS-IMPAIR SPEECH/MOVEMENT.BRONCHITIS,LUNG FIBROSIS.ARC RAYS CAN INJURE
EYE,BURNS SKIN.ELECTRIC SHOCK CAN KILL. FIRST AID: CALL FOR MEDICAL
AID.EMPLOY 1 STAID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.IF BREATHING
DIFFICULT GIVE OXY.NOT BREATHING EMPLOY CPR TECHNIQUES.IN CASE OF ELECTRICAL
SHOCK TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT.IN ALL CASES CALL
PHYSICIAN.

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